



Nucleotide **PubMed PMC** OMIM Genome Books Search Protein Clear ▼ Limits Preview/Index History Clipboard Details Get Subsequence Display. Send to default File ▼

BLink, Domains, Links

1: AAH09534. PINK1 protein [Ho...[gi:16306928] LOCUS AAH09534 303 aa linear PRI 18-JUN-2003 DEFINITION PINK1 protein [Homo sapiens]. ACCESSION AAH09534 AAH09534.1 GI:16306928 VERSION DBSOURCE accession BC009534.1 KEYWORDS SOURCE Homo sapiens (human) ORGANISM Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. REFERENCE (residues 1 to 303) **AUTHORS** Strausberg, R.L., Feingold, E.A., Grouse, L.H., Derge, J.G., Klausner, R.D., Collins, F.S., Wagner, L., Shenmen, C.M., Schuler, G.D., Altschul, S.F., Zeeberg, B., Buetow, K.H., Schaefer, C.F., Bhat, N.K., Hopkins, R.F., Jordan, H., Moore, T., Max, S.I., Wang, J., Hsieh, F., Diatchenko, L., Marusina, K., Farmer, A.A., Rubin, G.M., Hong, L., Stapleton, M., Soares, M.B., Bonaldo, M.F., Casavant, T.L., Scheetz, T.E., Brownstein, M.J., Usdin, T.B., Toshiyuki, S., Carninci, P., Prange, C., Raha, S.S., Loquellano, N.A., Peters, G.J.,

Abramson, R.D., Mullahy, S.J., Bosak, S.A., McEwan, P.J., McKernan, K.J., Malek, J.A., Gunaratne, P.H., Richards, S., Worley, K.C., Hale, S., Garcia, A.M., Gay, L.J., Hulyk, S.W., Villalon, D.K., Muzny, D.M., Sodergren, E.J., Lu, X., Gibbs, R.A., Fahey, J., Helton, E., Ketteman, M., Madan, A., Rodrigues, S., Sanchez, A., Whiting, M., Madan, A., Young, A.C., Shevchenko, Y., Bouffard, G.G., Blakesley, R.W., Touchman, J.W., Green, E.D., Dickson, M.C., Rodriguez, A.C., Grimwood, J., Schmutz, J., Myers, R.M., Butterfield, Y.S., Krzywinski, M.I., Skalska, U., Smailus, D.E., Schnerch, A., Schein, J.E., Jones, S.J. and Marra, M.A. Generation and initial analysis of more than 15,000 full-length

TITLE human and mouse cDNA sequences

JOURNAL Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002) MEDLINE 22388257

PUBMED 12477932 REFERENCE (residues 1 to 303)

AUTHORS Strausberg, R. TITLE Direct Submission

Submitted (29-JUN-2001) National Institutes of Health, Mammalian **JOURNAL** Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,

REMARK NIH-MGC Project URL: http://mgc.nci.nih.gov

COMMENT Contact: MGC help desk

Email: cgapbs-r@mail.nih.gov Tissue Procurement: DCTD/DTP/Gazdar

cDNA Library Preparation: Life Technologies, Inc.

cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)

DNA Sequencing by: Sequencing Group at the Stanford Human Genome Center, Stanford University School of Medicine, Stanford, CA 94305

http://www-shqc.stanford.edu Contact: (Dickson, Mark) mcd@paxil.stanford.edu

Dickson, M., Schmutz, J., Grimwood, J., Rodriquez, A., and Myers,

R. M.

Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov Series: IRAK Plate: 14 Row: f Column: 19.

Method: conceptual translation.

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Links

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SOURCE Homo sapiens (human) ORGANISM Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. REFERENCE (bases 1 to 1553) **AUTHORS** Strausberg, R.L., Feingold, E.A., Grouse, L.H., Derge, J.G., Klausner, R.D., Collins, F.S., Wagner, L., Shenmen, C.M., Schuler, G.D., Altschul, S.F., Zeeberg, B., Buetow, K.H., Schaefer, C.F., Bhat, N.K., Hopkins, R.F., Jordan, H., Moore, T., Max, S.I., Wang, J., Hsieh, F., Diatchenko, L., Marusina, K., Farmer, A.A., Rubin, G.M., Hong, L., Stapleton, M., Soares, M.B., Bonaldo, M.F., Casavant, T.L., Scheetz, T.E., Brownstein, M.J., Usdin, T.B., Toshiyuki, S., Carninci, P., Prange, C., Raha, S.S., Loquellano, N.A., Peters, G.J., Abramson, R.D., Mullahy, S.J., Bosak, S.A., McEwan, P.J., McKernan, K.J., Malek, J.A., Gunaratne, P.H., Richards, S., Worley, K.C., Hale, S., Garcia, A.M., Gay, L.J., Hulyk, S.W., Villalon, D.K., Muzny, D.M., Sodergren, E.J., Lu, X., Gibbs, R.A., Fahey, J., Helton, E., Ketteman, M., Madan, A., Rodrigues, S., Sanchez, A., Whiting, M., Madan, A., Young, A.C., Shevchenko, Y., Bouffard, G.G., Blakesley, R.W., Touchman, J.W., Green, E.D., Dickson, M.C., Rodriguez, A.C., Grimwood, J., Schmutz, J., Myers, R.M., Butterfield, Y.S., Krzywinski, M.I., Skalska, U., Smailus, D.E., Schnerch, A., Schein, J.E., Jones, S.J. and Marra, M.A. TITLE Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences JOURNAL Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002) MEDLINE 22388257 PUBMED 12477932 REFERENCE (bases 1 to 1553) **AUTHORS** Strausberg, R. TITLE Direct Submission

REMARK

COMMENT

JOURNAL

Submitted (29-JUN-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590, USA

NIH-MGC Project URL: http://mgc.nci.nih.gov Contact: MGC help desk

Email: cgapbs-r@mail.nih.gov Tissue Procurement: DCTD/DTP/Gazdar

cDNA Library Preparation: Life Technologies, Inc.

cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)

DNA Sequencing by: Sequencing Group at the Stanford Human Genome Center, Stanford University School of Medicine, Stanford, CA 94305

http://www-shqc.stanford.edu Contact: (Dickson, Mark) mcd@paxil.stanford.edu

Dickson, M., Schmutz, J., Grimwood, J., Rodriquez, A., and Myers, R. M.

Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov Series: IRAK Plate: 14 Row: f Column: 19.

FEATURES Location/Qualifiers

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Jun 19 2003 12:37:45



Nucleotide PubMed Genome Structure OMIM Books Search Nucleotide Clear Limits Clipboard Preview/Index History Details Send to Get Subsequence Display default V File

Links

1: NM_067525. Caenorhabditis el...[gi:25151887] LOCUS NM 067525 linear INV 22-NOV-2002 3334 bp mRNA DEFINITION Caenorhabditis elegans regulator of dauer formation and suppressor of age-1 PTEN phosphatidylinositol 3' phosphatase DAF-18 (110.3 kD) (daf-18) complete mRNA. ACCESSION NM 067525 NM_067525.2 GI:25151887 VERSION KEYWORDS SOURCE Caenorhabditis elegans ORGANISM <u>Caenorhabditis</u> elegans Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea; Rhabditidae; Peloderinae; Caenorhabditis. REFERENCE (bases 1 to 3334) **AUTHORS** Mihaylova, V.T., Borland, C.Z., Manjarrez, L., Stern, M.J. and Sun, H. TITLE The PTEN tumor suppressor homolog in Caenorhabditis elegans regulates longevity and dauer formation in an insulin receptor-like signaling pathway **JOURNAL** Proc. Natl. Acad. Sci. U.S.A. 96 (13), 7427-7432 (1999) 99307426 MEDLINE **PUBMED** 10377431 REFERENCE (bases 1 to 3334) **AUTHORS** Rouault, J.P., Kuwabara, P.E., Sinilnikova, O.M., Duret, L., Thierry-Mieg, D. and Billaud, M. TITLE Regulation of dauer larva development in Caenorhabditis elegans by daf-18, a homologue of the tumour suppressor PTEN JOURNAL Curr. Biol. 9 (6), 329-332 (1999) MEDLINE 99227332 10209098 PUBMED REFERENCE (bases 1 to 3334) Gil, E.B., Malone Link, E., Liu, L.X., Johnson, C.D. and Lees, J.A. **AUTHORS** TITLE Regulation of the insulin-like developmental pathway of Caenorhabditis elegans by a homolog of the PTEN tumor suppressor JOURNAL Proc. Natl. Acad. Sci. U.S.A. 96 (6), 2925-2930 (1999) MEDLINE 99178991 PUBMED 10077613 REFERENCE (bases 1 to 3334) **AUTHORS** Ogg, S. and Ruvkun, G. TITLE The C. elegans PTEN homolog, DAF-18, acts in the insulin receptor-like metabolic signaling pathway JOURNAL Mol. Cell 2 (6), 887-893 (1998) MEDLINE 99102962 9885576 **PUBMED** REFERENCE (bases 1 to 3334) **AUTHORS** Dorman, J.B., Albinder, B., Shroyer, T. and Kenyon, C. TITLE The age-1 and daf-2 genes function in a common pathway to control the lifespan of Caenorhabditis elegans JOURNAL Genetics 141 (4), 1399-1406 (1995) MEDLINE <u>96170778</u> PUBMED 8601482 REFERENCE 6 (bases 1 to 3334) **AUTHORS** Larsen, P.L., Albert, P.S. and Riddle, D.L.

TITLE Genes that regulate both development and longevity in Caenorhabditis elegans JOURNAL. Genetics 139 (4), 1567-1583 (1995) MEDLINE <u>95</u>309673 PUBMED <u>7789761</u> REFERENCE 7 (bases 1 to 3334) AUTHORS Vowels, J.J. and Thomas, J.H. TITLE Genetic analysis of chemosensory control of dauer formation in Caenorhabditis elegans JOURNAL Genetics 130 (1), 105-123 (1992) MEDLINE 92120509

PUBMED <u>1732156</u> REFERENCE 8 (bases 1 to 3334)

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AUTHORS
            Riddle, D.L., Swanson, M.
                                     . and Albert, P.S.
  TITLE
            Interacting genes in nematode dauer larva formation
  JOURNAL
            Nature 290 (5808), 668-671 (1981)
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COMMENT
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10-3] Eukaryota || [Closest homologs] Dictyostelium discoideum: gb|AAL99958.1| (score=166); Arabidopsis

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<u>misc</u> feature

misc feature

misc feature

misc feature

<u>misc</u> feature

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exon

<u>exon</u>

/locus tag=" /note="Exon 6 length 399 bp" misc feature bond (2795, 2796) /gene="daf-18" /locus_tag="4B174" /note="Intron length 52 bp, type gt_ag" 2796..3334 <u>exon</u> /gene="daf-18" /locus_tag="4B174" /note="Exon 7 length 539 bp" <u>3'UTR</u> 2916..3334 /gene="daf-18" /locus_tag="4B174" /evidence=experimental polyA signal 3311..3316 /gene="daf-18" /locus_tag="4B174" /note="variant aagaaa" BASE COUNT 1059 a 688 c 700 g ORIGIN 1 tttccaggta catctactaa cccccaatgg ttactcctcc tccagatgtg ccaagcacat 61 cgaccaggtc gatggctcgt gaccttcaag agaatccaaa ccgacaacct ggtgaaccac 121 gtgtgtctga accgtatcac aattcaatcg tcgagcggat tcgccatatt tttcggacgg 181 ctgtatcttc caatcgttgt cgcaccgagt accaaaatat cgacctagat tgtgcatata 241 tcacagaccg aatcatagct atcggttatc cagcaacagg aatcgaagcg aatttccgta 301 actcaaaagt tcaaactcaa caatttctga ccaggcggca cggaaagggc aacgtgaagg 361 tgtttaacct gcgcggtgga tactactacg atgcggataa cttcgatgga aatgttattt 421 gcttcgatat gactgatcat catccgccga gtctcgaatt aatggctccg ttttgcagag 481 aggctaagga atggcttgaa gcagacgata aacatgtaat agctgtacac tgtaaagctg 541 gaaaaggccg taccggagtg atgatatgtg ctcttctcat ctacatcaac ttctatccga 601 gcccacgaca aattctcgac tactactcaa taattcgtac aaaaaacaac aaaggtgtca 661 caattccatc acaacgacgc tacatttact actaccataa gcttcgtgaa cgtgagctca 721 actatttacc attgagaatg cagttgattg gtgtctacgt ggaacggcct'ccaaagacat 781 ggggtggtgg ttcaaagata aaagtggagg ttggaaatgg ctcgacaatt ttatttaagc 841 cggatcctct cataatctcc aaatcaaatc atcagcgaga gcgtgcgacg tggctgaaca 901 actgtgatac gcctaacgaa ttcgacaccg gagagcaaaa atatcatgga tttgtttcca 961 agagagcata ctgttttatg gtgccagaag atgctccagt atttgtcgaa ggagatgttc 1021 gtatagacat tcgcgaaatc ggatttctca aaaagttttc ggacgggaag attggtcatg 1081 tttggttcaa tacaatgttc gcatgtgatg gaggactcaa cggtggacat ttcgagtacg 1141 tagacaaaac tcagccgtac atcggagacg atacatcaat cggacggaaa aatggaatgc 1201 gaagaaatga aacgccgatg cgaaaaattg atccagaaac tggaaatgaa tttgagtctc 1261 cgtggcaaat agtgaatcct cctggactgg aaaaacatat tacggaggaa caagcaatgg 1321 aaaattatac caattatggc atgatteete etegatacae gateageaag attetteaeg 1381 aaaagcatga aaaaggtatc gtcaaggatg actataatga tcgtaagctg ccaatgggag 1441 acaaatcata cacggaatca ggaaaaagtg gagatattcg aggagtcggt ggtccatttg 1501 agataccata taaagctgag gaacatgttc tcacatttcc agtttatgaa atggatcgag 1561 cattgaagag taaagatett aacaacggaa tgaaacttea egttgttett egttgtgtag 1621 atactcgtga ttcaaaaatg atggaaaaga gcgaagtgtt cggcaatctg gcattccata 1681 atgaatcgac acggaggctt caagcgttga ctcaaatgaa tccaaaatgg cgacctgaac 1741 cgtgtgcgtt cggatccaaa ggtgctgaaa tgcattaccc tccgtcggtt cgatattcaa 1801 gcaatgatgg aaagtataat ggagcctgca gtgagaacct tgttagcgat tttttcgagc 1861 acagaaatat tgccgttctt aatcgatatt gccgatattt ctacaagcaa cgcagtacat 1921 ctcgaagccg ttatccaaga aaattcagat actgtcctct gatcaagaaa catttctaca 1981 ttccagctga taccgatgat gttgatgaaa atgggcaacc gttcttccac tcaccagagc 2041 attacattaa agaacaggaa aaaatagacg cagagaaagc agctaaagga attgaaaata 2101 ctggacccag tacttcagga tcaagtgctc ccggaactat caagaaaacg gaagcttcac 2161 aatccgacaa ggtgaagccg gcaactgaag acgaacttcc tcctgcgagg ctaccggata 2221 atgtgcgaag atttccagtc gtcggcgttg atttcgaaaa tccggaagaa gaatcgtgtg 2281 aacacaaaac cgtagagtca atagctggtt ttgaaccact cgaacatcta ttccatgaat 2341 cataccatcc aaatacggcc ggtaacatgc tgcgtcagga ttatcacact gattcggaag 2401 tgaaaatagc tgaacaagag gcaaaagcct tcgttgacca gttgcttaat ggacaaggtg 2461 tattacaaga gtttatgaag caattcaaag taccatcgga caattccttt gctgattatg 2521 taaccggaca ggccgaagtt tttaaagcac agattgcgtt actggagcag tcggaggatt 2581 ttcaacgagt tcaagcgaat gcagaggaag tcgatcttga acacactctt ggtgaagcgt 2641 ttgagcgatt cgggcacgtt gtagaagaat cgaatggttc ttctaaaaat ccaaaagccc 2701 tgaaaactcg agaacaaatg gtgaaagaaa ctggcaaaga cactcagaag acccgcaatc 2761 atgtgcttct acatttggaa gctaatcatc gtgtgcaaat cgagcgtcgt gaaacgtgcc 2821 cggagctaca tccagaggat aaaatcccaa gaattgctca tttttccgaa aacagcttct 2881 cggattcgaa ttttgatcaa gctatttatt tgtaaaccta aaacaaaact tttagaagat 2941 tttcttctta ctgaccctcc aattttcaga taatttcaat gttttaagtt ttctcttcaa 3001 agtatcattc actttctgta tagtgttttg ttttttaaca aactattgtt cgattatttt 3061 gtatattcat attatagete teaactteee gatttteeae gtatatatgt atattttgee 3121 gggtgaaaaa tagcaattcc ctatgaatgt atccccttcc atctgttttc ttactcagaa 3181 attgtaattc acattgcggg tcatcactaa tcctatgggc tttaacacaa ttctcccata 3241 aattaattgt acttaccaat tttttgttta attatttaga tttgtaacat tgaaattggt 3301 gataattcca aagaaaaatt atattctccg atac